

## Claims

- [c1] What is claimed is:
1. An image-capturing device for receiving signals from an external network, the image-capturing device comprising:
- an image-capturing module for capturing an image and for transforming the image into a digital image signal;
  - a first processor electrically connected to the image-capturing module for controlling operation of the image-capturing module;
  - a first memory electrically connected to the first processor for storing data and program codes of the first processor;
  - a second processor electrically connected to the first processor for receiving operation signals to control operation of the image-capturing device;
  - a second memory electrically connected to the second processor for storing data and program codes of the second processor;
  - a network controller electrically connected to the second processor for receiving signals transmitted from an external network; and
  - a third memory electrically connected to the first memory thereby storing the digital image signal, wherein when the network controller receives a first signal transmitted from the external network, the network controller transmits a second signal corresponding to the first signal to the second processor, and then the second processor transmits a third signal corresponding to the second signal to the first processor, and then the first processor controls the image-capturing module with the third signal to transmit the digital image signal transformed by the image-capturing module through the external network.
- [c2] 2. The image-capturing device of claim 1, wherein the image-capturing module comprises a lens set and a plurality of light-sensing cells for receiving light transmitted from the lens set and for transforming the light into the digital image signal.
- [c3] 3. The image-capturing device of claim 1, wherein the external network is a wireless, an Internet, or a local area network.
- [c4] 4. The image-capturing device of claim 1, wherein the second processor is

capable of transmitting the digital image signal transformed by the image-capturing module to an external receiving terminal via the network.

- [c5] 5.The image-capturing device of claim 4, wherein the external receiving terminal is a file server or a networking storage.
- [c6] 6.The image-capturing device of claim 1, wherein the third memory is a compact flash card.
- [c7] 7.The image-capturing device of claim 1 further comprising a flash and a flash controller electrically connected to the first processor for controlling operation of the flash according to signals transmitted from the first memory.
- [c8] 8.A method for processing real-time images via an external network, comprising:  
generating a first signal by a remote computer, according to required operation;  
transmitting the first controlling signal to a network controller via the network;  
utilizing the network controller to generate a second signal corresponding to a first signal to a processor unit; and  
utilizing the processor unit to control a image-capturing module to process digital signals of images captured by the image-capturing module.
- [c9] 9. The method of claim 8, wherein the image-capturing module further is used to transform the images into digital signals.
10. The method of claim 8, wherein the processor unit consists of a first and second processors.
- [c10] 11. The method of claim 10, wherein a first memory is electrically connected to the first processor for storing data and program codes of the first processor.
- [c11] 12. The method of claim 11, wherein a third memory is electrically connected to the first memory and used for storing the digital signals of the images.
- [c12] 13. The method of claim 10,further comprising: utilizing the second processor to receive the second signals to correspondingly generate a third signal to the first processor.

- [c13] 14. The method of claim 10, wherein a second memory is electrically connected to the second processor for storing data and program codes of the second processor.
- [c14] 15. The method of claim 10, wherein the network controller is electrically connected to the second processor for receiving the first signals transmitted from the external network.
- [c15] 16. The method of claim 13, further comprising: utilizing the first processor to control the image-capturing module with the third signal.
- [c16] 17. The method of claim 8, wherein the image-capturing module comprises a lens set and a plurality of light-sensing cells for receiving light transmitted from the lens set and for transforming the light into the digital signals of the images.
- [c17] 18. The method of claim 8, wherein the external network belongs a wireless, an Internet, or a local area network.
- [c18] 19. The method of claim 8, further comprising: utilizing the processor unit to control the image-capturing module to transmit the digital signals of images back the remote computer via the network for displaying the images in real time.
- [c19] 20. The method of claim 8, further comprising: utilizing the processor unit to control the image-capturing module to transmit the digital signals of images to an external receiving terminal via the network.
- [c20] 21. The method of claim 20, wherein the external receiving terminal is a file server or a net working storage.
- [c21] 22. The method of claim 12, wherein the third memory is a compact flash card.
- [c22] 23. The method of claim 8, further comprising: utilizing the processor unit to control a flash controller, according to the first signals generated by the remote computer via the network, thereby adjusting a flash of the image-capturing module.